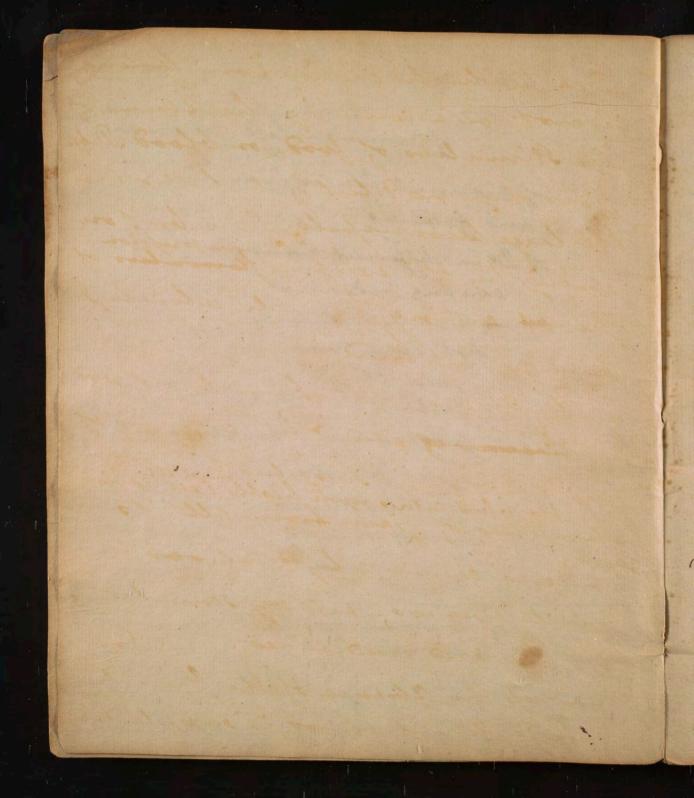
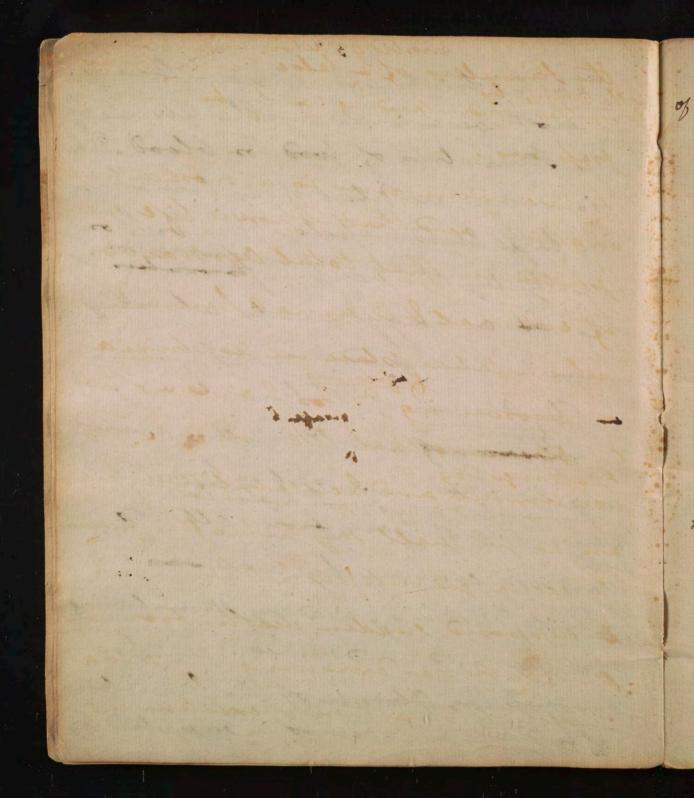


of animal life continued of arrival life in Drowning and freezing. 93. of Do in different nations among Indiano - 100 - of the inhabitants of 3 102 hot Countries. - 5 103 - Cold Do - Jastern Countries 105 - poor very where 109 - Ince Countries 110 mental Stimuli 112 Love of money 112 - hame 114 114 Diff Religions of animal life in Other Omimals - 118 118. of Animal heat

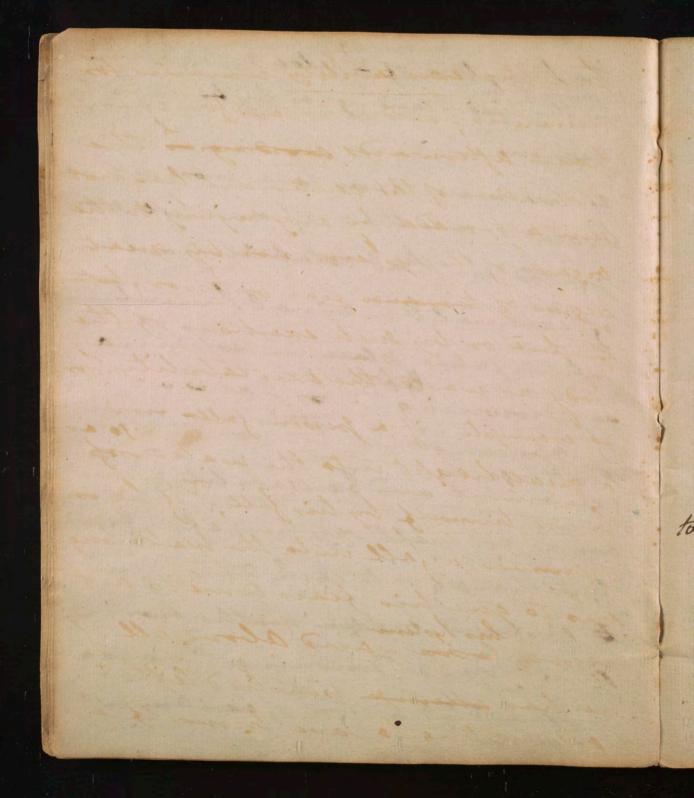


Death which cooses from fasting is not occasioned by the absence of the Stimulus of food, or blood . Dipu - tions shere no Orfert of the latter in the large blooding feels. It is brott on wholly by the exceptive ferrollers of the of acting thurseli which of have mentioned. the alsence of the Stimulus of food in diseases of long duration is supplied line little blow the blow acting upon highly excited blow the frain from all its repels, exercises como con - by heat - in bebrile Diseases, - and by Stirmelating Duisho and medicines. \_\_\_ for medness the absence of the strimulus To food when it occurs, is supplied by

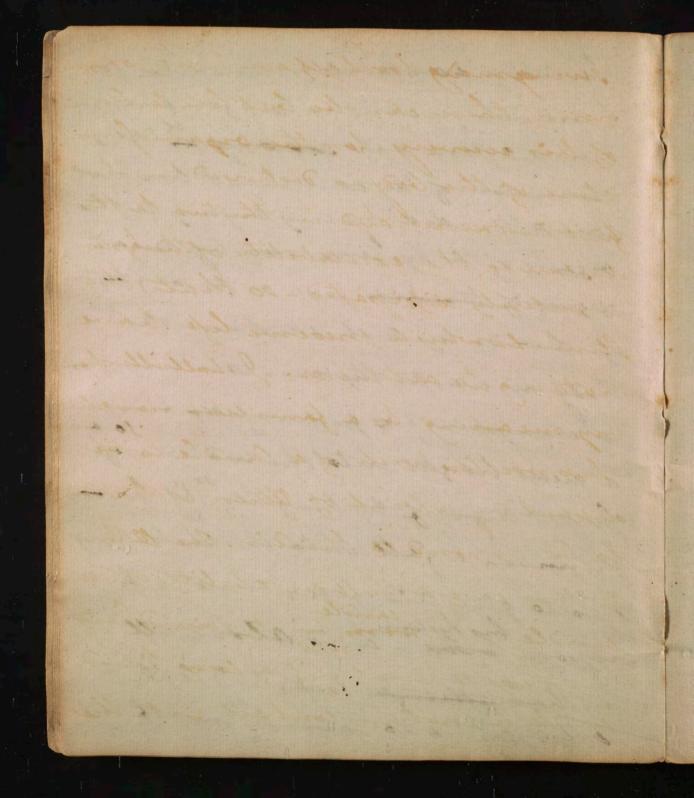


the Stringles of a false processions.

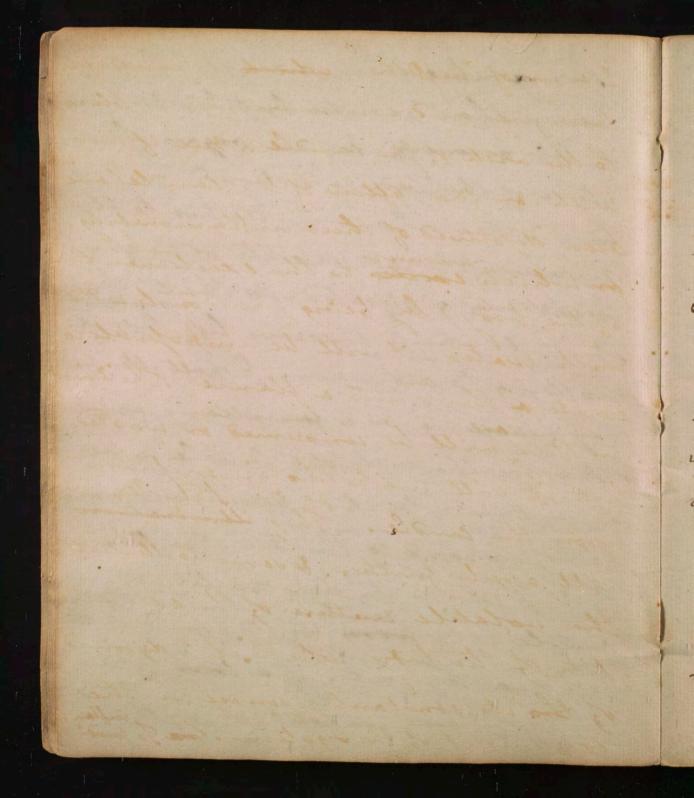
of the brain, by the linders tanding, or by be unruly papions. 4 le come non to a most difficult inquiry, and that is how is life sup: - ported in that total abstraction of external dinternal Stimuli which takes place in asphipia,
as Drowning freeing of amount, it;
by blesewing that life consists in
two things viz:
existement and Santability. May are as we shall my hereafter, frequents - by exchanged into each other. for # sujoposed sudden deaths from April-joy-or drowning there is a sudden abstraction of existement,



but the exitability remains for minutes, and it is said for even hours lefterwards, anding is the distruction of the existement has not bun attended by any injury to the orsam of the hystern, nor by great degrees of terror fear or terrory bette of whice or by such exertions of the body no waste the exitability. For if example if a person falls from a great height into the water sig to bruise himself by his fall, or if he is Junius a full into the water, long ens to give his fears time to act his lystem ind above all, if he has attempt prinshed lefter attempting to lave himself by



I wing ming for half an hour oran honer, there can be but little hope of his recovery for the organistrue. = true of the body is destroyed in the first instance, and in the two latter instances, the excitability of the hystem is entirely dispipated, - to that the Stimuli which preserve life have mothing to act upon. - I shall illustrate my meaning, by a familiar example. - Suppose the wich of a Cample to be dipped in a bial of Other, & afternas to be exposed to the air. The Other in this case is the existability of the candle candle in its sound state now is its existement, if a los lighted candle be but in contact with the



Dupor of the Other, which it immediately tates frie; and communicates its blane to the wich of the candle. But if this wich , or the tallow of the Candlehave been dessived of their inflummability. for which exists to the existement of the brig) by being previously with with water-it will be impossible to existe a them into a flame. The Other in this, will be consumed or wasted, but it will make no impression finisher upon the candle. - This illustration will apply further, & since to illustrate the volatile nature of the existabi - lity of the body, when it is desnived of the its constant resource in the inflame excitement of the Lystens. He To part

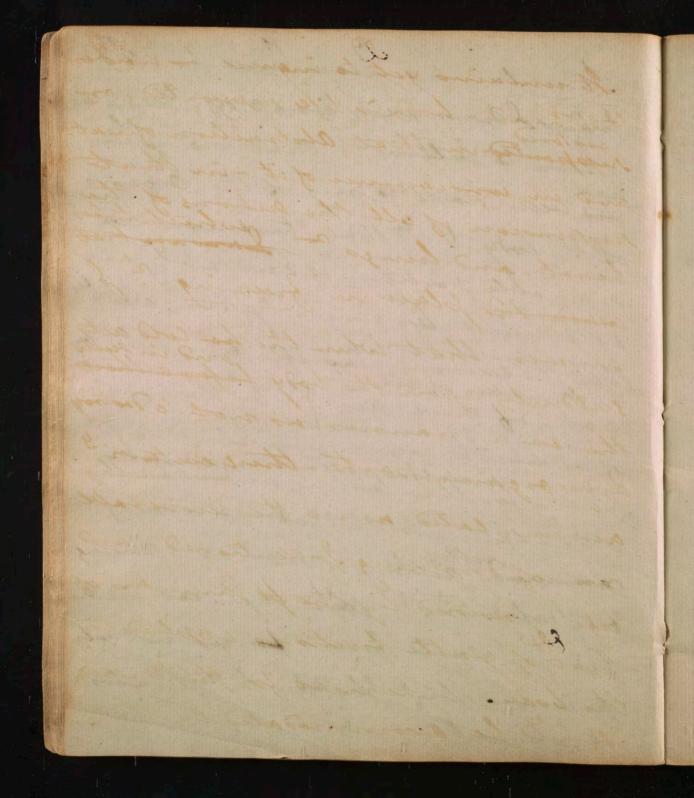
V The Stringli which act most Speedily in this case are quette heat ofthers was beserves e, and all much applice as canal canal must be brings & alimentary into action. There then our theory received new trong the - for we here behold ani: : mal life - more than presented - we see it notoned by Stimuli acting upon the axistal of the System, and gradually converting it into existement. and a

we - man allege

the Other, the lighted landle must be boot in contract with it som lefter its before it has time to whale in the air. In like manner - Stimuli mustbe applied to the existability of the fysterin immidiately after it is thehen out of the water, orsificilled otherwise they will be upphied in vain. - for it some for asphisia particularly in that Apriles which we call a Trance-the State of the hystem is mearly the same as in drowning - but this Dist Sometimes comes on in the close of Ilon forms which have reduced the existement & wasted the excitation. of the dystern. How is arrival life in this case supported or restored by

This was wident from heat combeing man the heart - or from
the body not arguing the Stiffnips
the body not arguing amongounis
which we always amongounis
death. — It is ustain they hear
death. — This ustain they hear
and think - the mind here reacts the
facts of Jos Rush - The girman & the
facts of Jos Rush - The girman & the
annexe estant from Deleighous work.

Atimali? Janswer that in all the trains I have ever breard off, there was had been done to any of the Organs of the body. It 2's that there were con-- siderable portions of existable - and existement life in the System. and 3" that the recovery was effected wither by heat - of pure air for by the impulse If a divine communication to the Just - for this last is as withoutly String to the body as any of the common actions of the Understanding or passions of love then as in the fromer Case life is to see not only preserved, but restored by the action of Stimuli.



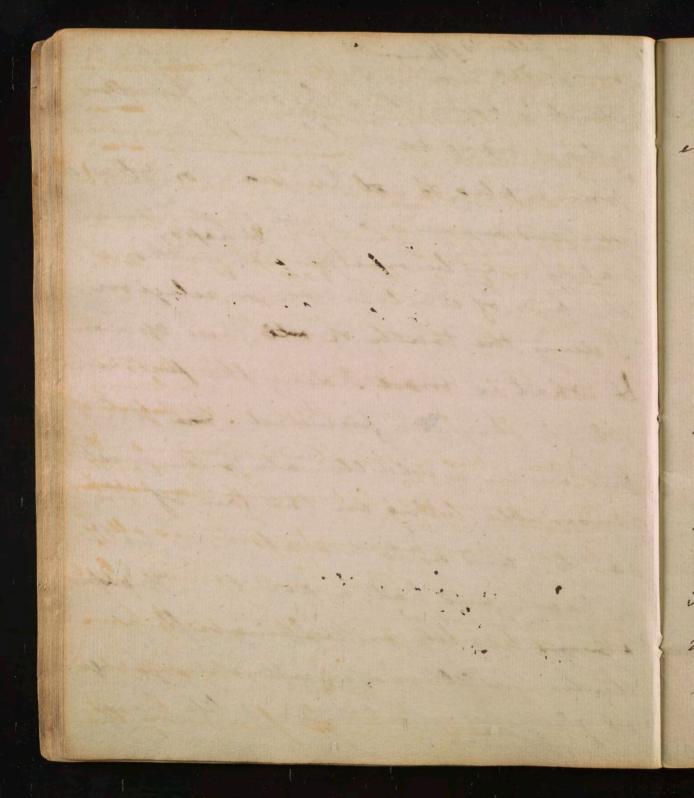
It unains yet to inquire bounders this hand - how is life supported, on sestored in that abstraction of heat and in wascquence of it, - in that suspension of all the outions of the bushill takes hant and hungs ? I which takes when the place in freezing? suspenly upon the body before there the es a commer us not to noting any organic parts - the existabilis aummulated as in the recoverable cases of drowning Imentioned, - and life is restored by the fathingham of heat, of gentle frictions applied to the body . - The heat for this purpose Thouto be accommodated to the

I am so perjectly satisfied that life is suspended only in fruing where it takes place Inddenly; that I believe it profible for the body to remain in that flats for many years without the extinction of life. In the impro-particularly of medicine, semain yet to be made, I think it mobable that men will have it in the power to change the age in which they are to hime. What think you gent: of suspen: Ting your existence standen the application of Cold, during the fold idea of his Huxter brillent flate of our world, and beguating a form of

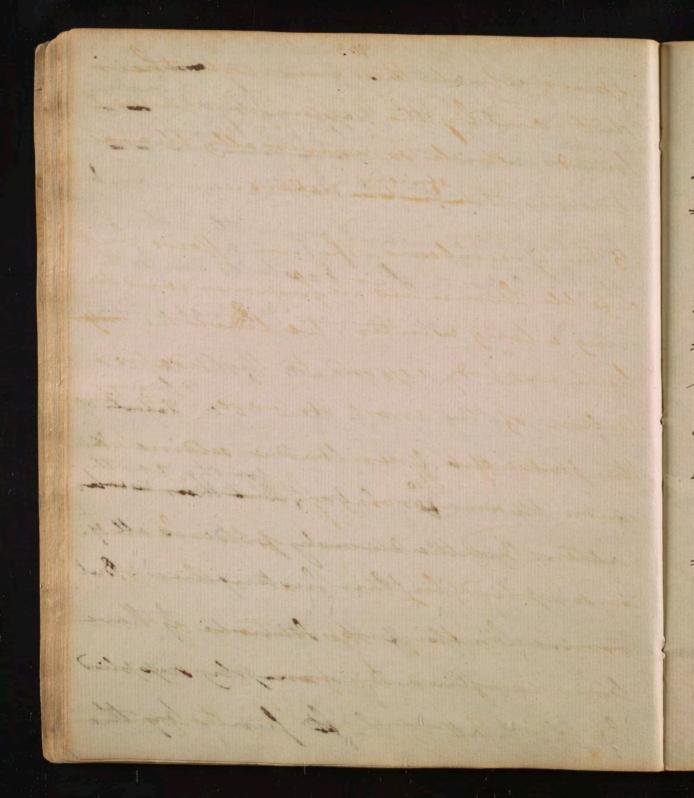
exitability in the system. That of pumps or Spring water is generally warms eno in the first instance how how far our theory will apply in explaining the State of human life in all the Different Circumstances in which is exists in the globe, and of enterment parts of the I for the Judians of the worthern Lati: - Ender there is a defect of the Stringles heat in winter - it was the fof the Understanding - and among Jame huting of all the sunstion - for they hold it dis graceful to shair wing outward signs of anger-joy- be even of trider or domestic affections. This Character of

money to be applied an hundred years hence, to awaken you to behold our world in a state of order, beare & universally happyings which the prophets apare to believe will probably take place within that period of time. white I want of our home me to part of the said of the The same is a selection in the same and a get on the first of the I sell signer by the first hand of 

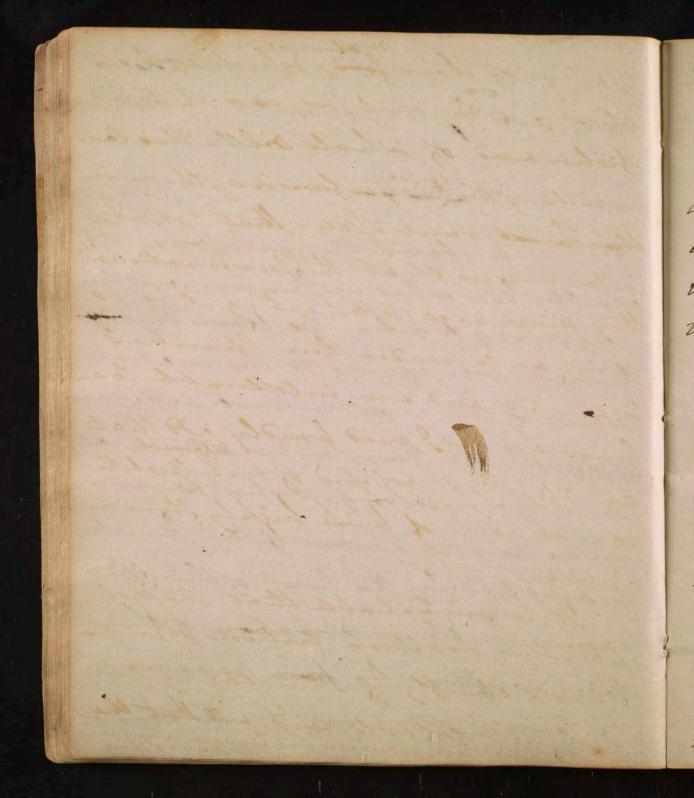
of the intellects of promiles contrary to that which is given them by some Joanellers, who awarding as they have embraced the principles of tel Ruspeau, or Voltaine have endeavoured to prove that human that human become perfect without the aids of civiliration or religion. I dony the truth of these opinions, I what is more, I deny the facts on which they are founded. The an Judian in a cold Chinate is the most aniserable being on the face of the earth - and as to moruls, he is half, The greatest part of in wahing or fleeping Under the alternate influence of hunger, or gluttony. - But animal life here



does not want a sufficient flow portion exercise which they carry on, be by the extravagant joy with which they afterwards their explists in both in their savage dances & Songs. -2 for the inhabituants of the torsid refining of africa, - there is a defect of the Stimulow of the Understanding - & for the Easth, also labor, But their weeks almost youtanionsly produces all y: is newfoury for their histenance. But the weatures of the Stimuli y have bein mentioned, is snoftly supplied by the heat of the popular by the



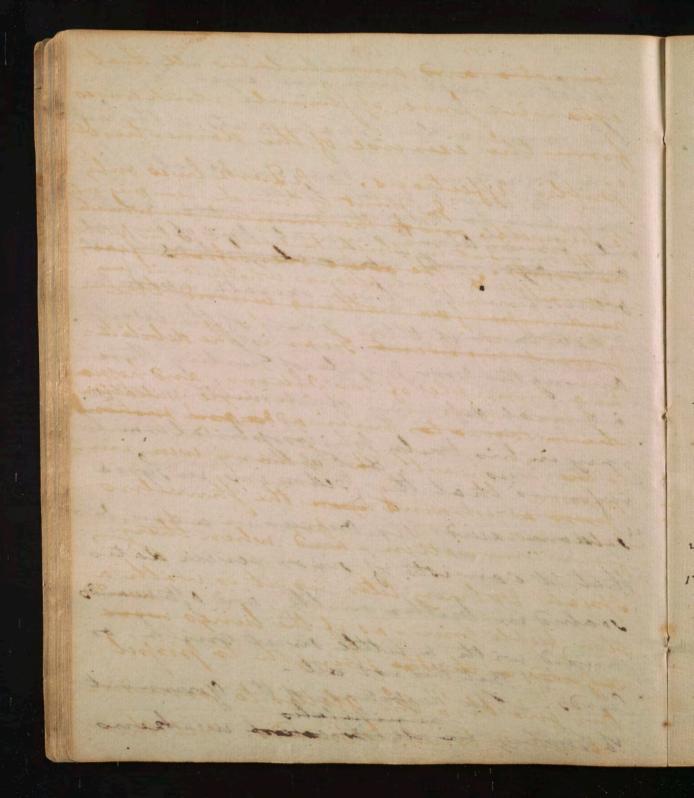
Spices which they mix with their dict, - and by the pupion for musical Sounds which so universally thural: - terres themender nations. 3 In greenland - the Pun affords but a fuble Stimulus in frammer, and du. : ring a long winter, he leaves the bigs brunen body exposed to the watere Oution of the most intense cold. hence the pulse of a ynenhunder seldom beats more than 40, or 50 strokes in alle - mite. But the Wesener of this Stimulus is supplied by the heat of their stone rooms-, by the propiration of their bodies confined by from gurments of hair of from - and by the pendias



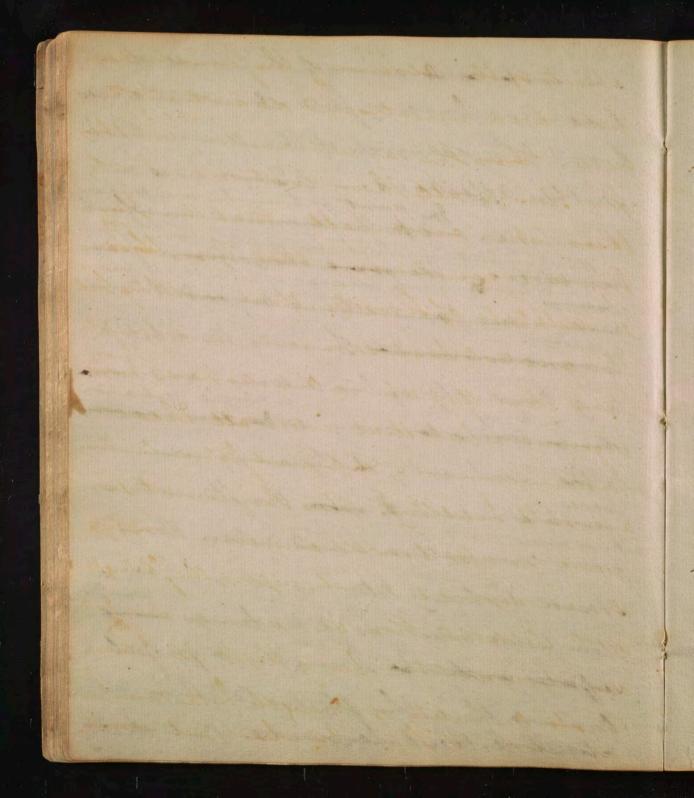
mature of their ford - which consists chiefly of animal food, and of dried fish - and of whale oil. - This last article of Diet is Insterned by them in the sout runing flate - that fronts informs us that the perspiration with they discharge after eating it is so and, as to under their Churches offensive and were intollerable to an hruspean. - I must hurdly and that an aliment popular of such Gualities cannot fail of being brighty thinks. : lating. It is um whalele that the Drit of all the continue butions of surpe consists chiefly of thinksting line. wal or reget afele ford, and that the

I there is librarise a general defining Stimulus from the exercise of the Understanding

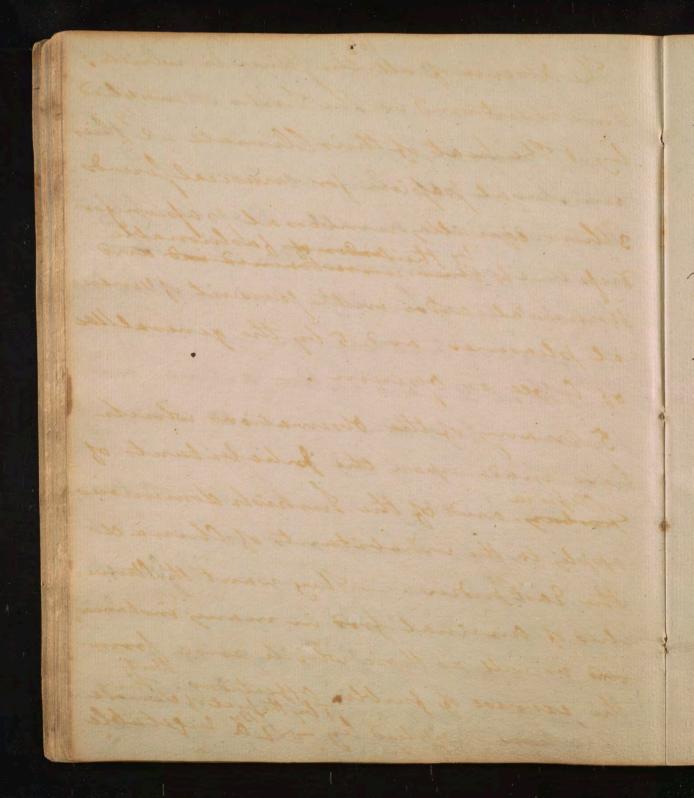
4 let is west turn our eyes to the the misualle inhabitants of the East in its myst fulle State and broke life out the from y about following by the most properties to bet of several only from y about following to the following to other Himseli which sperate upon the inhabitants of other parts of the levored. among the poor puple of Justing thereis a general deficiency of aliment. \_ mobol. informs that the Bedonins in Tyria "seldom exceeds six onnes in a day, & that it consists of sixon seven dates soabid in butter milk, and afterwards mixed with a little sweet milh, on a little sweet milh, on Curds". - The despotism of the government of Inship, in all its estate weakens



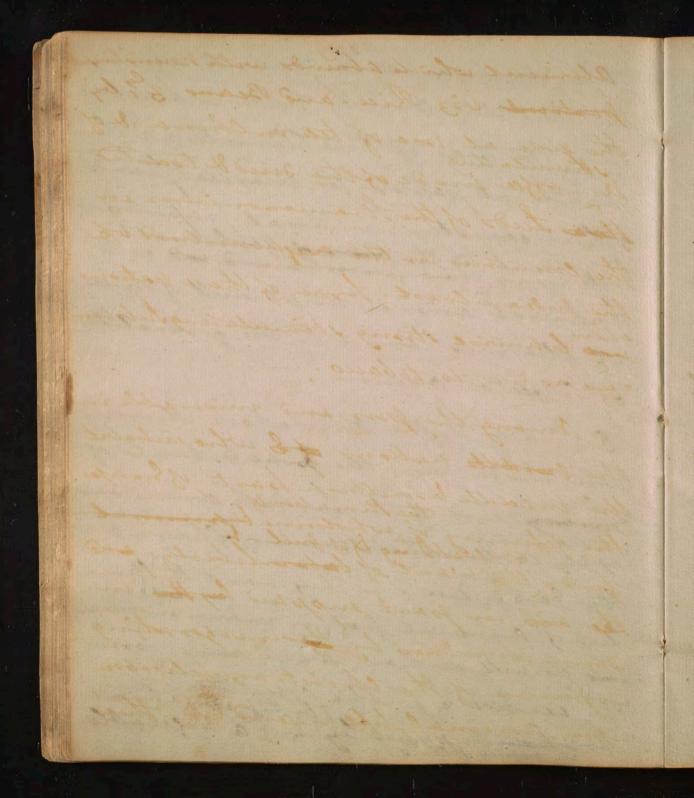
donastio, and annihilates all that extensive fource of flimuli which arises from the exercise of the domestics & public affections. - a Turk lives only to himself, and to the mountains which be the moment in which he exists for his fiturity be as to life of property belongs wholly to his his lies master !- I withing begand the france to fens is the debilite -- ting principle of his actions, and hope a single pulsation which comments mere added to the history to the bis heart. The Tyranny wen in-- poses a ustraint upon the Stimulus from commention, - and when they Speak volvey tetts is it is with a wanter Plan fuble vine - as if the lungs were affected withouther Strength to propel Oir wis this the glottis to form is: - tiret articulate Sounds. But the



effects of the absence of the stimuli that have been mentioned do not stops here ." Hy The same traveller that they are olive in all their enotions - that thier bisies are small - that they flow small executions - that their their so distribute of Terosity, that withing but the greatest heat can preserve its fluidity-and that they are rether active, and Vigorous - but that under all these circumstances of deficient firmuli they are still healthy! This should not sear. : prire is, for health and even longlife do not depend so much upon the ftrength of the Constitution as upon a dree & exact proprortion being kept up between the Str quantity of Stringth & the number and force of Stringeli which art uponit.



The absence of all the flinneli which I have mentioned in the Turks is supplied by I the heat of their Climate - 2 this environ al papion for musical founds. 3their equally mineral papion for diefs. — 4 their mother and and Universal assor in the pursuit of Venese: -al pleasures, and 5 by the generallise of abbee or opiner. 5 many of the Observations which Safrice and of the Inshish dominions apply to the inhabitants of Chinad the East provis . - They want the time: : his of ancinal frod in many instances, and as well as those which arise from the exercise of public lifetions they the first of elimate are land hyphically by the fight regetable



aliment which abounds with houndment partiones viz: Rice- and Beans. 3 ! by the general use of the in China, & of the Stimulating to Coffee in a de wither died & tousted Has Luds of the Stramanonium in the countries in the orighbourhood of the Indian Coast. Tome of these brations when behavise strong stimulating helstan. : us as we do tobacco. among the poor and miserable in the middle brutions of & who inhabit the enidelle & louthern parts of humpe the thinulpes of the deficing of wholsome beforest ford - the want of taboutilesty - and the wis in part supplied by the in some tountries by the insignating influence of the Christian religion upon animal life - and in Others,

If is remarkable that the use of each of thesefficients is quatty influenced by the circumstances of Chimate . In cold Oldinates where the carth quies its in mare with relutance & where vigeta. - ble abinent is scarce, the deficincy of that disturtion which it is principally calen. of ardent Spirits. To the burtherd of 40: the deficiency of al the stimules of Aliment is sought for in onions. garlie - or Tobacco. But further - a uniform Ulimate calls for more of these artificial frimuli than a variable One - for the alternate agonthe body, action of heat - cold - winds & sain supplies their place. a Savage,

bal- coffee garding prions and oppinme lighors, In no part of the world is animalife as far as it respects the human species in a more perfect State - than in Britain Ireland - and the United States. The inches. internal with all the external and Stringli which have been mentioned, the inhabitants of those constries. they enjoy the additional stimules of foredone - How insured the bill pilot the bill pilot to which onen are the actions of life, to which onen are wolf to 2 the transumbert from the transumbert from the transumbert blopings of liberty. But to produce the it is needpary that it should be exercised in a Republic . - There is an indipolable Union between moral - political - & Thysical yord, and had I been warined

I There is leve things in the self among wanting by against time and commence structe alike upour more than a life which is enlighted I wilised - hence the inostrinate attackment of the provious to Rum & Tobaco. It would seem from these facts that man cannot exist without . Sinsation I that where it is not dinied from antinal stimuli, it will always te fought from such as are artificial. V Toxploits performed by the french armies more their present wars, with the history of the State of Commenticut will prove its the Duration will prove its the Duration of home life buy tongest in republican

that a republican government was not favourable to industry - morals - and political happines, I should have in: fired a priori that it most promable to animal life - But - I shall not in a feature lection to ust for this interesting grustion to ust upon andopral induction. It stallhere.

- after prove that there is the gratest Amentaly of life exists in the quatest quantity & for the longest time in a republican State. I the history of the how for the phanomena of the in other Animals bysides man facord with the thany I have endenvered to esta blist. Thouse on thingshoo Besides the Skinesti which

V 1 The disire of life. This acts marly alike upon all ages and Conditions of manskind, and is a very prompted flimulus in supprosting our existence. It is often visible in the forolongation of life in parents who send for their thitoren is many instances have occurred of their tring winder the most improbable his winstances, Untill they have embraced their entering, and exprising a few fickly Jamples by hat land hours afterwards. Jointon Often live under weakings till circumstances of the greatest dangers till They reach their nature shore, & then breath their last in the bosom of their friends. This Desire of life by its behavence, Often troms the feale in favor of life in mente discusso, and the Chance is always in favor of a seconery in propostron to the anxiety a patient discovers to live. Attions we are toto died by a voluntary abstimes

which are influenced by local, on political circumstances, there are certain mental stimuli which open : rate in different monely alike your the individuals of all the nations of the world. - These are V 2 The land of money. It is populiar to this papion to set the whole muchine of Society in anotion. Hearts which are insensible of the strinking of eshi = gion-patriotion - love - & even of domestic affections, me with into action by this papion. The history of the affectionse in the city of Philad, between the 10th and the 15th of ang! in the year by ge will ling be union

from food in five days. - to be found in his an' of the Earthquahr at Calabria relates affer fact of a girl who lived 11 days with out food. In the former case life was shortned by the want of drover for it in the latter it was protracted by the severe of life it. Itory of Brifort - negroes - vanim; magne. That frother V The love of money dis cours its Stringles upon the hystern in a penuliar enauner in the games of lands & Die . I haveheard of a gent " in Virginia who proped two whole nights without Sleep at a card table - and this related in the life of the when he was so ill as to be mable to sise from his Chair, he was brot to the hazard table, where he has seemed Juddenly to revive at the rathing of the diec". 3 Jubin annoements of all kinds. a horse -race - a Cook pit - the theatre -

unembred by contemplative men for having furnished the most the - transing proofs of the promesful This human body - How would have the business the business of Scripsomedia in the month of languist work of the free in 1494 one, instance an abstinate wahiful: a thind person better home under my Care as patrients. - the who availy printed in way come ten and - the grich motions of othe desultory long = versation- & the extempore Interner of all the persons who were inter gave a trues picture of a latterine or of a hospital, than of a Coffehime

the livers - be all sunspayers - Levers - traparties - and the exent an arti: -ficial strinulus upon the Styoten, and like the spines among the Justs Rum among the hisians supply the defect of the Shinnless of thinking . The Stimulus in these places of public most amount is varied by the difference of rank It of which frequent them. Homage from an inferior to a Superior, & a undescessing finite from a Superior to an inferior, - and the flattery for that fex which is supposed to ful it most face all belong to the artificial stimuli of animal life ] -4 The love of Drefs. Amito. This stimulus is not confined in its influence wholly male & female to loxcombs. and It outs in some to heard of the cases upon mand of the heard of the cases upon mand of the cases of the cases the cases of the ca a gentleman in South Carolina who

The Love of fame. This papious acts in reasiones ways, but its finanches is most powerful & disrable in militar many instances the debited effects of hunger of foliques coal labor. It has were done enou. It has semed the debility which is connected with enany discuses . In several instances which have some within y compap of my knowledge - it has word the Jankmanny amousparption. + & frished and solling that The different religious of the hould Lyon- gentlemen - Shorts to religion to

afheism is the worst of Sedatives to the appending and published of the processof the of is the all the processof the of all hope - It joy - and These we said formerly were two of the more powerful of the intera uligions, as a social america. of melancholly by changing his danther, I I believe there are few poerfole who de not feel this spirits invigorated way by putting on a vin Suit of Chather. 5 the los hwelly is an insurense forme of agreeable thinseli - Hence we find new lise companions - new this is a new blasmes - of business - new prospects new Situations with respect to town & country - or to different Countries -

animal life, as it muspany in grunnent. - Religiono are more on life friendly to human life in proportions divate the Understanding & of hope - and the constion of joy. It is they to will when perfetty findenting & explained, = wity has immensed advantages in This respect our all the religious in the words. It is the bratisal stringles of the human mind, no much to as with and briend are the natural public amingments - the love - the love of money of fame - of unlawful as also the Stimuli of spinm and faith to Spinm and arout are all imporfeet Substitutes for its gentle - and durable frimelies of the In religion the offerts of the loves of liberty, in small

I and those more an against the dame violence is done to the under -standing and affections by dismiving there of the a god, that is done to both by a dooning a man to live ina Cell deprived of the pleasures of social and domestic life. They so who attempt to but the try -pose that he can exist without a celigion of some kind. The French ration here lately given the most impage after rijeting the worthip quilled to the impulses of the human heart in its object of adoration, by worthisping a human Reason in the figure

The conduct of many ind: has Juoued this is all ages or constains. where the true god has been rejected, habine, fortune, season se inhis Head .

all exest an invigorating influence not only the health but upon aminal life. and Grant the s and longerity be universal, and or some old age be the only outlet of human life. This delightful Change in the animal Deonoury shall be brought about not by refinements in civilatation. not leg drience - not by liberty -Too alas! they have all exerted their influence in vain fort not in a word by any thing human Reason can do - by for they have all exerted their influence in vair for that purpose lent by the delline das universal prevalence

How long the world energ continue to might be with this insignating thinks of the saint hopeing is much the present befolding and will come to to hape that the time of and sury in the inphision of the when the breated porpioned Shall be reduced, and the body & comind of man remer their original ander. Thepublican forms of governments are furnished to formathe & preciapts of theistice:

these are now there in the bld world. Was

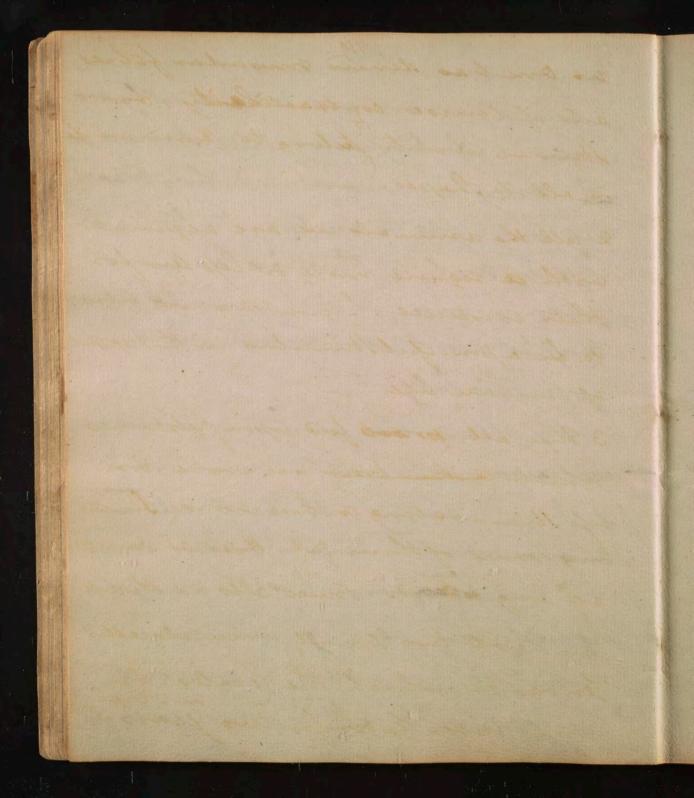
this many parts of the bld world. Was the muse of the anilitary papions is becoming left frombin voives in many Eventries - and were the potificial Stimuli of Tobaiso - and Spiritt

of the Lupeligion. There de \_\_ the pour de \_\_ of the flaveless of comparative fiture: : tiens in all countries with respect to animal life. I flath only observe here that country people are exposed to more string uli than citizeno from apmer air - more reguler labor - and more nutural Sounds. - I allude here to the lingings of Birds . - to It is remar. : hable that this firmelus is applied to the ess hystem when it is most debilitated, that is in the virinings & evenings. In the Country the inhabitants are exposed to move flower than pressons who inhabit a level lountry, or who both cases the Rimulus arises from Joure ais.

particularly in Britains - Wolfinds show a de Tea & Coffee I have been toto are now Substituting in the last of those countries , not only inform homoso, but in taverno to the use of distilled Spirits. The disuse of these lesthrome & unatural ftimuli evidently shows a demination of hus = man misery and a hisibility to more vational & orational Stringlijest of the disselish to wine & Bash inthe comaliseence of a fever theres a seturn of the exists hilly to natural There for gent have I considered hurrinal life as itrospects the hyman spices, but as leverice it

V and here gent: we must extend our Deas of animal life. The Deity runs to have delighted in Pariety in all his works. - Thould we discover the Stringli w propport life in man, we be weather in other arrivals than in man, we must remember that this is no quater disporture from of their affinity, than their having less fine, or beauty, or intillutual powers. all animals more exquisité fires than man except louch.

to depend upon the same causes in different proportions, & differently mo: : defed in arrivals of wing Species, it me thenry regimes that I though apply my principles to explain the state of life in such of them is exhibit phanomena which sum to war. - tradict all that has been advanced upon this Subject. I & Olsewe that all the arrivals we are conquainted with, even the Shell fish - have either ton lings - bearing menes, or musalealar fibres. It is as yet a controversy abovery wateralists whether animal life can exist without a levain or herves - but



no one has devied muscular febres and of course contractiblity, on String lability talong to aminalife in all its Shapes. 2 all the animals we are acquainted with de regnire more or less air for their existence. - now this we now to be a pininful trimulus in the support of human life. -3 They all prost fur upon fulstances which to this bris are more on less Stimulating to their bois. It is true some of them take this alminit at long periods. Bruce tells is that he kept two Small aminals called Serboas on which the levates, or in wial homed vipes buds, for two years in

I The frog during its long connection with its female, suffers its limbs to be amportated without discovering the least much of pain; or larthout relaxing in its embraces.

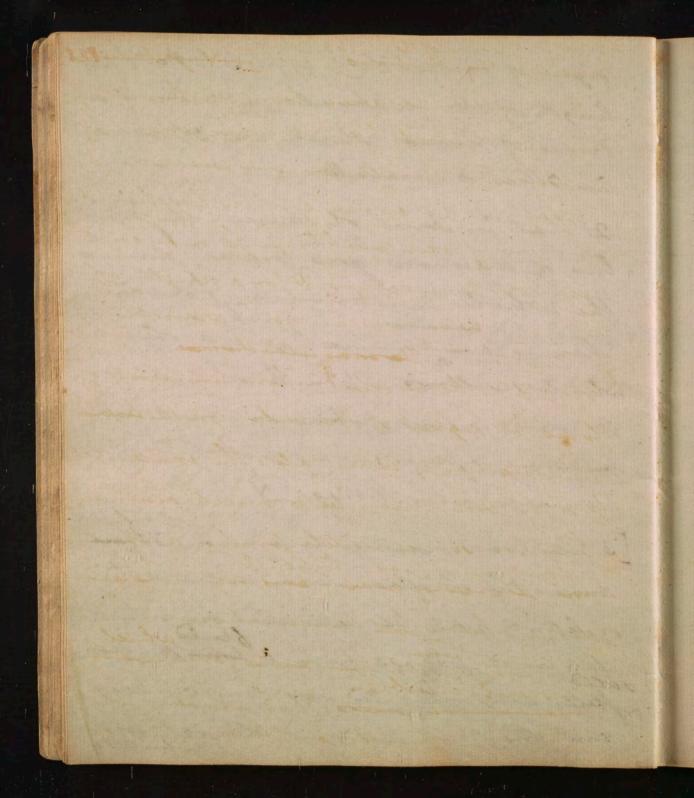
good health without food or fleeps . Per. : haps this period was not more in this animals life than 24 hours are to man. Its living without fleels is a proof of an incommon prostion of original & natural existement. 4 They all propagate, & of consefell the impoulse of veneral appetite. John Spalamani prove that they ful this townshis in which life is in a feello flate a degree to which larger leninuls are Strungers. - If all the Other Stimuli which act upon them, operate in the Same vation we may awant of their lives.

connected with: 1 123 tion the air . Even the Smail beether in air this a pellicle or cover which It weaves out of firme on its lessy, to open a papage to the air. now Chis we said was one of the most poverfulftimuli of life. But it is propriete life may exist in these arrivals without in the total alseme of every impression, or finulus, provided, the torgrid

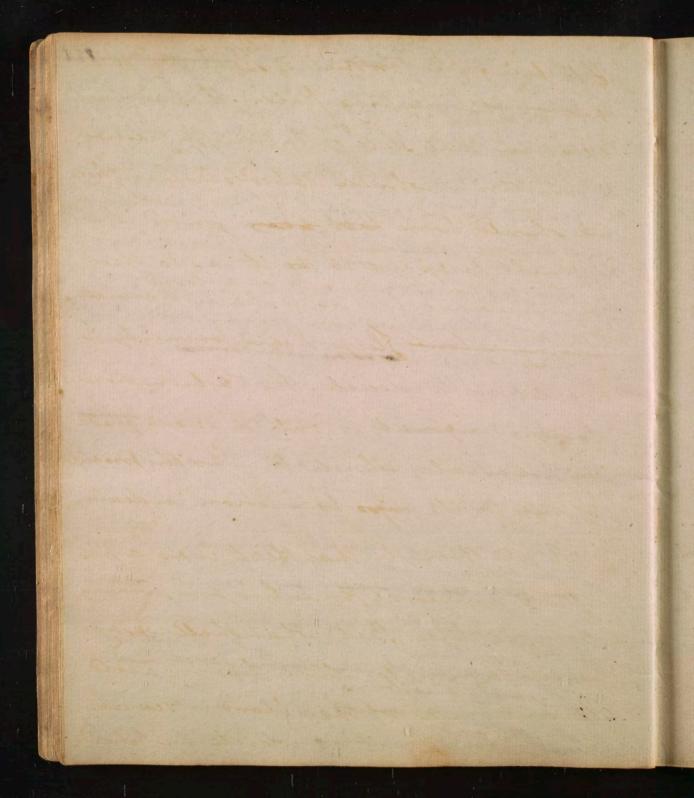
5 for many animals we behold evident enashs of Understanding and reserve profion. - The Bu - Whe ant exhibit many mushs of the former, & where it the School boy that can not of a wasp? & But what shall we vany to the history of those humans which pape whole weeks & even long winters in a logical state in which there appears to be an absence of all the Stimuli of heat - about -I exercise? - This is a difficult Grestion, but it may be answered. I By supprising that they propels an

Hote me have mentioned be levot on Moderly . Bots Iwallows which pays this winters in the bottom of Lahro & mill dams, the torpor is certainly but on in this In other animalo it is probable the frimulus of Undigested aliment keeps up the motion of life, for ho. It unter has proved the by anexpton a froy, y Cold below a certain degree cheshs digestion. They all live -Lturn beach to p: 121

degree of excitability, andogono to the lingth of the internals between the times of times which we observe in Other arrivals . \_. 2 That in Some of them - the stime: : his of digistion goes forward during There is an enimal infilarolina which swallows a princhest just before it actives to Sleep - which do This solid Substance is found in a fluid state in its Itomach in the Spring. V I The Bear is said to live up on its fact during the winter. may not a portion of latent heat he extricated from this flate, and conserted into sensible heat, and may not this unsible heat con:



hup up the without of life I V go to p. 121 I Let us be careful how we limit our ideas of aminal life. It may consist of motions-too small for our peruptions. 3 Let us be careful - how les limit our ideas of exitability. It may exist under cir umstances, & for a length of time of which we can form scanely any Corresptions: The man will the more 2 Let us be careful - how we binit the force or dignes of Stimuli. In the topid Hybernation of Dominals, the exitability of their bodies may be so much assume. - lated, or so exquisitely formed as that portions of heat-light & lound which one degrees of breat and lound which descend below all colembation may which them act upon with the dama fonce wooth is scarely credible. It ad we been toto bob after admitting the Doctrine of



life being the product of themuli that act in the evaling state ) that it would exist in that state of Darhnep-filence & inactivity which takes place influp, we thould have that how found it as difficult to apent to the it, as to the Continuance life in ustain animals, dering a low fleep I said formerly is a tendency to death. The Thybernation of an animal is only a second grade in the Icale which muchos the propely of life to its defor extinction in death. I we said formerly that Heat was a pow : = crful & universal stringles to in producing animal life. But what shall we say to those arrivals which his in acold Allument, and whose blood is searcely above that point at which we behold

the journess of it might be expressed, the stimulability of annimals is always in proportion to this their deficiency of Sintient powers. This is most evident in the polypi which when cut to peices reproduce themselves. - In cut to peices reproduce themselves. - In being cut - it is probable they ful little on no pain. who fog!

VI might illustrate it still further from the analogy of plants in which life-to growth are supported wholly by Itimuli - particularly of heat of light - But this belongs to the Infepor of Botany. another profeporship . - That only remark that the Sud of plant resumbles an animal body in having no primeiple of life within toelf. If preserved in ev.

the beginning frost? why - thatheat I cold are relative tomo - and that different humals require very different degrees of heat - and that 32: tong es primals 80- or 90 are to the human Thus gent: have I emmerated all life, It more than the the Stages of more phanes of the stages of more phanes of the different nations, and pussits of onen, and this all the clupes of animals which inhabit our globe. my Object has been Dringsby Animal life. Divines tell us that man clisides this - has a sational - & a Spiritual life. I believe in cash of them, & that

in the earth 'drawers for years, or if sunh below the stimulating influence of heat & Dir it never discours the least fign of vegetative pources. life This farthas hun unged as a proof of a principle in V I consider this, as a Striking argu. = ment in favor of the separate of the Toul in a separate State of wintered after death . - the human body, but the explanation that has been given of the only cause of the life of a Leid, converts it into a strong argument in favor of the bouth of the theory of am now delivering. -A A A A

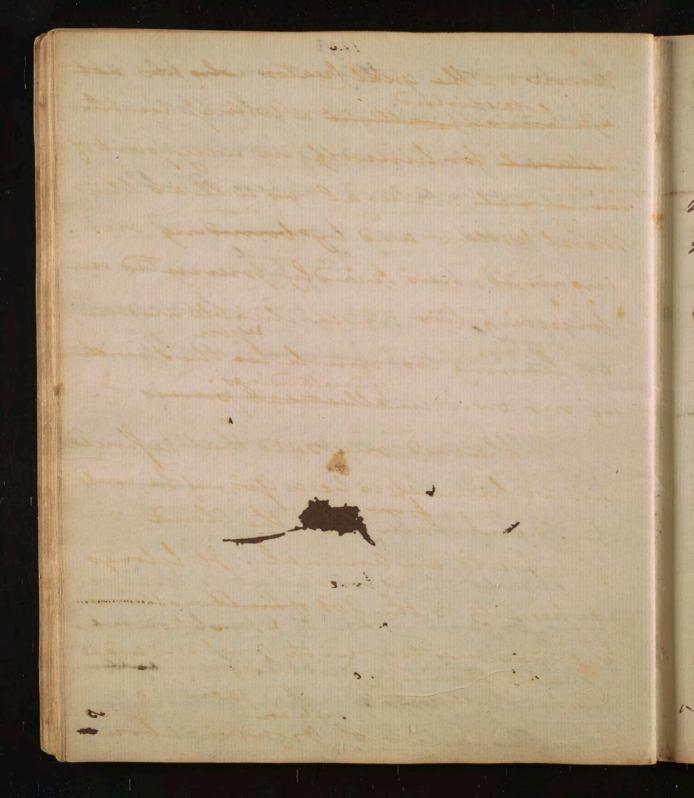
they both exist a Thinkfire wider cer. - toin Circumstances upon the human body. - But have the plurinal life wh has been the Object of our ingrinis = it capable of existing, independantly either of them. Home we en men in not only live - left enjoy good health who are distribute of reason, & of finsis they in Jamores Character is so ably Drawn I by the Duke of fully. es On what part of the ystern do the Stimuli which have been mentioned act . - On the muscular fibres they produce Contraction of motion - our the venues they produce - finantion of peruption, programment, & mason, or just other.

V or in Other Boords, life in man consists of in motion- Imactions thought. 25 & good health consists in the Unity sursation to part of the body, Diseases the free and easy exercise of all the faculties of the mind.

or perception. There may be contraction without views - Sinsation without thought - and thought without lensa:
- tion of the treth of early the : un ations fully establish the truth of each of these propositions. - whale Speak more particularly of each of them mon the head of the newows fystem. She prominate come their thought smooth on I thought sing of the Stis as much an effect of imprepions as upon bosins specifics of enalter, as Sound is of the ftrake of a hammer upon a sonorous body hife there is a quality, & not a principle. This is the natural inference from y: facts which I have mentione fembre

as ustainly as in wate deas or Vision.

therefore, the intelligent principle of Whyt - the tring principle of histouter the aneina medice of Statel - and the lines natura midicatrices of fullen - Every phenomena of life may be ex. - plained by are principles which seems in the books of betress in which there can be no errore presumption of intelligence - or a even a consuming principle than there is in thou is in bir-fire-& water. Thould it asked what is that pe: - lier Organization of muche name -I brain which enablesthem withen to emit light when acted upon by Stimmli? I answer, I donot



know. - The great Creator who has not left trimmerly without a witness in the meteral for himself in way point of the result wateral, as well as the moral world - and by bounding our inguines, has kindly prevented our forgetting his unscarcheable wisdom, of our own intellectival powers. Inohamed ony said that he famed believe himself to be a god, if he could bring down rain the Clouds, on give life to an animal. It belongs exclusively to the god of the Christians to enable them to produce thought, make it capable under possilian in unstances of Organization of

· Upon rivering the Judgets of animal life as they has been explained the it appreams that the doctrine is not misely to qualative, but is of Int is of Doctains of his in the fathology intake Who practice of thisians. Withou appear lane often in every between your fathology. I The Theory I have delivered, cuts the finews of the lines natura miscutrices, Itanstones these out from and in doing this, it not only sensones a large mass of subbish at the same time from medicine, but it sensones, one of the foundations of the Spinnean or athe : istical philosopphy: admit - soprinciple we'call - nature to cut with intelligence in the human body - and we open a door for the a principle under the

to produce from 130. of animal life. I have enoped a ra-- pid & dangemes Stream. Whether of have gained the opposite shore clean, or invered with mud, and weeds, of have wholly to jour determination! On animal Heat I for the first view which I supposed myself to have taken of a human Bung I was strick not only with his pofdesition existed by finali, but upon Heat liherise. Upon approaching him & forming that I took himley the hand: I found it warmen than go top: 131

Saine rame to ait in every part of the Universe - by which but to a duponine and eternal creator. By the thing I have poroposed, we was render the existence I support of animal life, the immidiate act of its a drepseme Bling, by the in. : Howevertality of causes which are con: in religiony: that his direction of theme it is preserver of man & that in him we live to be 131. 35. moved theme our Bring! - him overto 131. 35. the mysterious bely ut to animal life to a level with many, of the not only of the Operations of nature, but of liherise of art. It is in every suspect as truly mechanical, as the pupage of aftip,

impulse, or ftimulus of the lind, It differs from them only in this - the matter on which the Stimuli which produce life being of a nature peculiar to itself. by But this therey derives and of this theory from its analogy with the Experations of the little as maintained by Edwards & Inistly. Those writers have clearly foroved that makes motives are to the will what flimeliare to animal matter, and that the notion from its of abound as the notions of the within itself abound as the notions of thinking wit al principles, or the healing powers of nature. These we may admire the Unity of truth, be the dringslicity or Onenefo of ins the means by which the freator governs his Universe.

! It exhibits a ver view of the newous Lystern by discouring its origin, an in the extremities of the newes, & its termination in the brain it in this in his treatise your animal Electricity.



from the impulser of the winds or tide; But this thyon does more - it prostrated in the mind and lively of man at the footstool of the divine power, and thereby - as well might an oak tree which is tributary to easth - water - air - and the heat of the firm about for its we Jap and foliage, chirish pinde in its existence, as the Creature man, - for he owes his life every moment to the influences of of the winters the starte to the probably from this view of the dipudant State of ancinal life in man, that he is flower - to grap - to a to weaver thinks and all of which then that he exists, only from newpity, and not from any inherent principle of life or thought of

the heat of the surrounding atmos: phose i lipon feeling his face - laying my harts upon his face Vibrant, 9 perfected the same agreeable tempse.

Hatrice IX for contingstating the human body we are him informed. much Struck with, who was willy the same in way part, of his body,

North its thriformity

by its being solittle

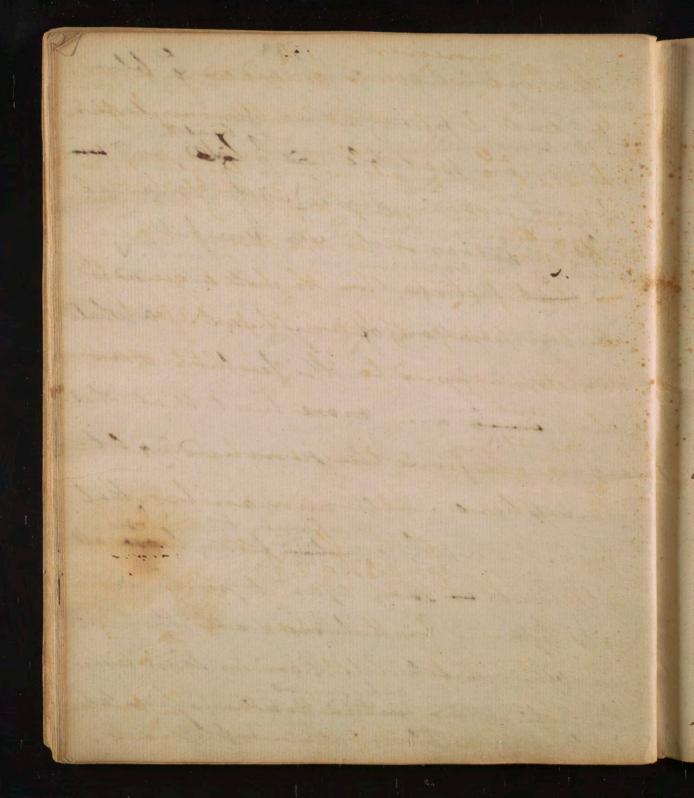
Seus ons & claimates, and selling solittle by the any of the Conditions of the Lystern ero they appear in the different Stages of human life. It magines that he added further, that this heet

here said that the doctrine of animal life which I have taught is of extensive application in the practice of Physic. - yes gent: the whole Seeret of Jouson: : bing in all diseases consists in knowing when to abstract, & when to apply timeline - in what manner, I in what proportion we are to denie the abstraction, a addition of astificial Stimuli to the whole, or particular parts of the body. Moneyer complicated the materia medi = ca has may be , all medicines there fore be clused under two heads, viz. Sedatives & Stringlants - 200 for exceptions

is the same in comprision but of the burning of the business of the the cause of the phonomenations have hear mentioned Serveful 'Hypotheses have been proposed mention inest of them, & then propose a theory which I conceive to be liable to finest Objections! -I I Dettermoir has taken a gent deal of pains in the mid Espays of Etin topsour that arrival heat depends upon firmen - tation taking place in the blood, more 4 experially a fermentation of the putre. factive kind. To this I Bright .) That we have no proofs of a fer

motion and Sinsation on in Other honds
that predisposes to to little aminal life, either in the whole, or in parti-- cular parts of the lody. - return to 1913 0. ho3. v a prover to resist protrejection is said to be one of the properties of animal life. -

of any kind going formand in y blood. 2 That a pretrefaction firmentation "is incompatible with life, and for | bryond "certain degree with animal the for the experiencents of Drybest. V the 3 that Patrifaction is not attended with the giveration of any heat - a whale in putrifying on the fenthore does not with any more heat that what it derives from the surrounding at: penshes with aportion fever lance all its heat so soon after it parts with its life. - Their before death, the heat in which are forting diatheries has taken place as in Ahmin ation & Alinerary.



The heat which is generated in fermen. - lation is confined to its binous flage. I that mirmals which breath as we do, have the same degrees of heat how this would not be the case if it dipended this would not be the case if it dipended on putrifaction, for the heat generated by the papage of bodies to putrefaction is propositioned to the grantity of matter they contain. a It Hypothesis which has been proposed is, that Unimal heat is generated by the friction of the fluids against the got posts of the fluids against theory lotid parts of the last lasty. This Hayputhosis is supported by the pheanmenon of heat living fuguently connected with the force of the concelation for Answer to this, Thypothesis I observe i That

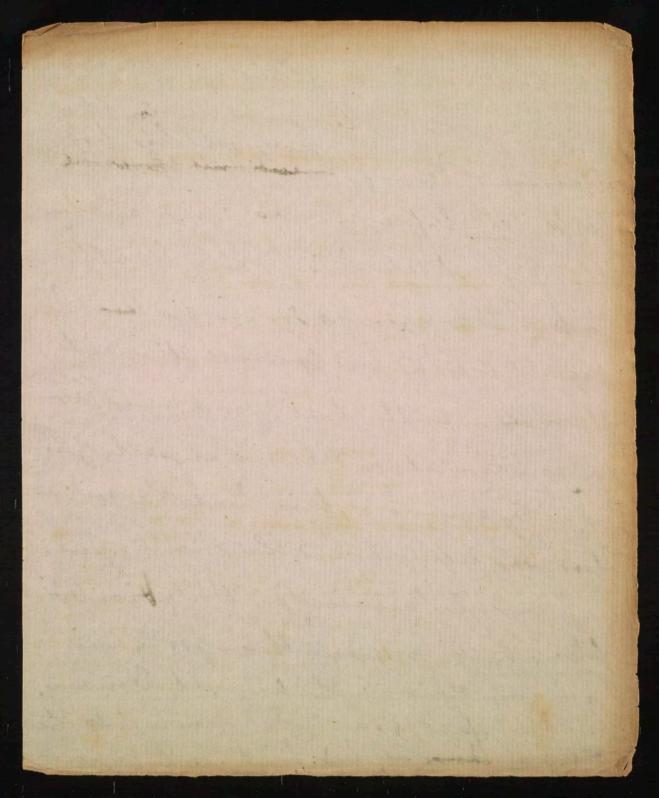
p: 131 - opposite lide. I The view of animal life which of have given firmishes a ver Argument in favor of the the will acting only from recepity, for the motives being the as much the cause of all its exercises, as fimuli are the cause of animal life. If this were not the there would be a defect of turk over thinks over the bland of the Breator. The the doctrine of animal life which has been delivered, hads. of the Deity which is given ofhim in the Seriptimes, viz: as propeping life within himself. To weith

Inimiple of life to way the This divine prerogative has were been insparted but to One Being, and that is the Son of God - This appears from that declaration of I John Chap: V. 26 for as the father hath life inhimsely, so both he given to the four to have life in himself! - here he is called in the new testament the life of the world" - the mine of life; se in many place life itself. - This View of this the independanty life of the Son of god circumstances which create & support it in man exalts the San of god infinitely above simple humanity, and established his

divinity frame reason as well as from mulation. Fruth you me gent: is an Unit, and themore me shiscours of it in the concluench of knowledge, the more we shall physiology discover of it in Other. medicine, and medigine above all Other fineres, metaphysichs, uligionit by which I have taught had Us to decide upon the long agitated Con. trong of invate ideas. It leads Were to reject them altogether, and to ascribe them wholly to

the influence of external impressions acting upon a capacity in the mind to suive ideas. Thous to B From these Observations you will perceive that touth is a bout, and the more we discover of it in One branch of knowledge, the more we shall discover of it in others. Physiology & medicine above all Other Sciences lead to just ideas principles in Theology me religion morals & metaphysiche -

In the view which I have given in the Origin of animal life in man in the Dupposed his body and the body to be cold before it was arrivated by the air which his Custor butter isato his hings. no somer did Por these Organs expand and Contract alternatity, than it a gentle heat was differed at every internal and external part of his body. By means of this heat the wolid blood was liquifued, and the main, heres and muscles arguired finitity fimitabi. -lite, which prepared them for their in. = portant offices in the arinal bronomy. our business at present is to inquire into the Digin a lance of this heat . Troshes purpose



If is no Objection to this argument that execun acquires some heat when agitated against the lides of a Church, but this depends report the duamporition or fermentation of the eneam in its papage into butter.

heat cannot be produced by friction unless the bodies which act upon each other are uneaver. In fluid whetenemen acquires a particle of heat by being Shahen in the will. - wow the blows Effels we have know have no inserender faces, and the par. - bieles of blood have no roughness in them. V 2 In producing motion by friction, it is murpany that one of the bodies which is moved thould be in a fixed state. a Rope in minning this a pulley of ene = rates us heat - for wither of them is at rest. now - we know that muther the bloodrepels, nor the blood in a lin healthy annual are ever at rest - worsequently wo heat can be produced

Fron It is strictly true therefore what is said by the Ichoolment " nil est in intellection guod von prins frit infensu!! Were it posible for a Chife to grow us to manhows without the use of any of its fenses of hearing - Leing - finelling - tasting, and touch - he world not propels a single idea of any rhaterial object. He would be with respect to our globe as destithe Deas existed they are go back to 7 min materials - but no see. 131.

Deag of the a proper test of buth in Luine to find it award with Revelation now it leaches ; natural State of man death after the fall. 2 his life in It & 3 the first

on good health dlong life - cquable I timilite I great commandement to love god to be founded in reason con. - sidering that he not only originate bent supports life. no objection to this doctrine. The excation of a lovel as related by moses. It means animal life was infuned - or the capacity of body for emitting life was come = plete. on poisons - illustation de I g welearn from this doctime that sesen greservatio, persitua creatio" - every hours - every minerat we are the believes of creat grower as much as When adam come out of the hands of his creator. Sach Aming a new treation. In they die Ke

